| POSITION                  | INITIALS | ID NO. | DATE     |  |  |  |  |  |
|---------------------------|----------|--------|----------|--|--|--|--|--|
| FEE DETERMINATION         | 7,       |        | 1./.     |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       |          | 12     | 17/11    |  |  |  |  |  |
| FORMALITY REVIEW          | TH       | 1178   | 12-13-01 |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW | 70       | 875    | 3/18/02  |  |  |  |  |  |

## **INDEX OF CLAIMS**

| ✓ Rejected                   | N Non-elected  |
|------------------------------|----------------|
| = Allowed                    | I Interference |
| — (Through numeral) Canceled | A Appeal       |
| ÷ Restricted                 | O Objected     |

| ľ  | <b>L</b> |            |          |          |  | — (Through numera |          |          |            |          |          |          | al) Canceled / |          |          |         |          | A<br>O   |          |  |  |          |                 | Appeal<br>Objected |          |     |              |              |   |          |  |                 |            |
|----|----------|------------|----------|----------|--|-------------------|----------|----------|------------|----------|----------|----------|----------------|----------|----------|---------|----------|----------|----------|--|--|----------|-----------------|--------------------|----------|-----|--------------|--------------|---|----------|--|-----------------|------------|
|    | Cla      | im         |          |          |  |                   | Da       | te       |            |          |          |          | ]              | Cla      | im       |         |          |          | Da       | te   |  |          |                 |                    | CI       | aim |              |              |   | Da       | ate                                    |                 |            |
|    | Final    | Original   | 50/22/9  |          |  |                   |          |          |            |          |          |          |                | Final    | Original |         |          |          |          |  |  |          |                 |                    | Final    |     |              |              |   |          |  |                 |            |
|    |          | ك)         | <b>V</b> |          | L  |                   |          |          | L          |          |          |          |                | <u></u>  | 51       | 1       | L        |          |          |  | L  | _        | $\sqcup$        | 4                  | _        | 101 |              | $\perp$      | <u> </u>  | L        | $\perp$                                | $\perp$         | L          |
|    | <u> </u> | 3          | _        | <u> </u> | ⊢  | _                 | -        | -        | ┡          | -        | <u> </u> | _        |                | L        | 52<br>53 | +       | $\vdash$ | ├-       | <u> </u> | <u> </u>   | -  |          | $\vdash$        | 4                  | $\vdash$ | 102 |              | ╀            | ┾   | ╀        | ┿                                      | ┿               | ╀          |
|    | _        |            |          | -        | ├_   | -                 | <u> </u> | <u> </u> | <u> </u>   | ├-       | L        |          | ļ              | -        | 54       | +       | 1        | <u> </u> | ├-       | L  | ├-   |          |                 |                    | -        | 104 | +            | +            | ╀   | ₩        | ┼                                      | ₩               | ╀          |
|    | H        | 4<br>5     | 0        | ⊢        | ⊢  | $\vdash$          |          | H        | ╁          | ┢        | -        | -        | ł              | $\vdash$ | 55       | +       | ├        | ┢        | ┢        | -  | <u> </u>   | 1        | H               | -                  | $\vdash$ | 105 | +            | ╁            | ╁   | +        | +                                      | ╁               | ╁          |
|    | _        | 6          | *        |          |  | -                 |          | $\vdash$ | ┢╌         | ⊢        | -        | _        | 1              | -        | 56       | +       |          | ├        | ╁        | ╁  | i –  |          | $\vdash$        | ┪                  | $\vdash$ | 106 | +            | +            | +   | ╁        | +                                      | ╁               | t          |
|    | -        |            | ľv       | _        | $\vdash$   | $\vdash$          | ┢        | Н        | ╁          | $\vdash$ |          |          | i              | -        | 57       | +       |          | $\vdash$ | $\vdash$ | -  | ╁  | _        |                 | 7                  | -        | 107 | +            | T            | $^{+}$  | ╁┈       | ╁╴                                     | $\vdash$        | t          |
|    | $\vdash$ | 8          |          |          | 1  | _                 |          | $\vdash$ | ┪          | ┢        | -        | -        |                |          | 58       | T       | t        |          |          | _  | <del>                                     </del> | -        | $\vdash$        |                    |          | 108 | $\top$       | $\top$       | T   | T        | 1                                      | +               | T          |
|    |          | 9          | V        | ,        |  |                   |          |          | Τ          | Г        | T        |          | 1              |          | 59       | T       |          |          |          |  |  |          | $\Box$          |                    | Г        | 109 | 1            | T            | Т   | T        | 1                                      | T               | Γ          |
|    |          | 10         |          | _        |  |                   |          |          |            |          |          |          |                |          | 60       |         |          |          |          |  |  |          |                 |                    |          | 110 |              |              |   |          | L                                      |                 | L          |
|    |          | 11         |          |          |  |                   |          |          |            |          |          |          |                |          | 61       |         |          |          |          |  | L  |          |                 |                    |          | 111 |              | L            | L   | L        | L                                      | L               | L          |
|    |          | 2          | 生        | <u> </u> | L  | L                 |          | <u> </u> |            |          |          |          |                | <u> </u> | 62       | _       | L        | L        | ļ        | <u> </u>   |  |          |                 | 4                  | L.       | 112 | _            | <u> </u>     | ↓_  | 上        | $\perp$                                | $oxed{igspace}$ | L          |
|    | _        | 13         |          | -        | ļ.,.   |                   |          | _        | <u> </u>   |          |          |          |                | _        | 63       | $\perp$ | Ļ        | L        | L        | <u> </u>   | ╙  | _        |                 | _                  | L        | 113 | ┷            | <del> </del> | ↓_  | 1        | <del> </del>                           | ╄               | Ļ          |
|    |          | 14         | Ш        | _        |  |                   | <u> </u> | _        | <u> </u>   | <u> </u> | _        | <u> </u> |                |          | 64       | -       | _        | <u> </u> | <u> </u> | <u> </u>   | _  |          |                 | _                  | $\vdash$ | 114 | _            | _            | ▙   | ╄        | ╄                                      | ╄               | Ļ          |
|    |          | 15         | Щ        | _        |  | -                 | <u> </u> | _        | _          | <u> </u> | <u> </u> |          |                | _        | 65       | ╁       | _        | ┞        | <u> </u> | <del> </del>                                     | <u> </u>   | _        | $\vdash$        | _                  | $\vdash$ | 115 | +            | -            | ₩   | ₩        | ╀                                      | ╀               | ╀          |
|    | _        | 16<br>17   | Н        |          |  |                   |          |          | ├          |          | <u> </u> |          | ļ              | H        | 66<br>67 | ╁╌      |          | $\vdash$ |          | _  |  |          | H               | 4                  | $\vdash$ | 116 | +            | -            | +-  | ⊬        | ╀                                      | ⊢               | ⊦          |
|    | $\vdash$ | 18         | Н        | _        | <b>-</b>   |                   |          |          | ├          |          | -        | -        |                | -        | 68       | +-      | ⊢        |          | ⊢        | -  | ⊢  | $\vdash$ | $\vdash$        | $\dashv$           | $\vdash$ | 118 | +            | ╁            | +-  | ┼-       | ╁                                      | ┼-              | ╁          |
|    | Н        | 19         | Н        | $\vdash$ | $\vdash$   | -                 | ├─       | -        | ⊢          | ├┈       | -        | -        |                | $\vdash$ | 69       | +       | ├        | ┢        | ┝        |  |  | <u> </u> | $\vdash$        | $\dashv$           | $\vdash$ | 119 | +            | +            | ╁   | ╁        | ╆                                      | ╁               | ╁          |
|    |          | 20         | +        | -        | ╁─   | $\vdash$          | $\vdash$ | ┝        | ┢          | ┢        |          |          |                | -        | 70       | ╁       | ┢        |          | ⊢        | -  | $\vdash$   |          | $\vdash$        | ┥                  | $\vdash$ | 120 | +            | ╁            | ╁   | ╁        | ╁                                      | ╁               | ╁          |
|    | -        | 21         |          |          | <del>                                     </del> |                   | $\vdash$ | ⊢        | ┢          | ⊢        | $\vdash$ |          |                | -        | 71       | ╁       | ⊢        |          |          | $\vdash$   |  |          | $\vdash$        | $\dashv$           | $\vdash$ | 121 | +            | ╁            | +   | ╁        | ╁                                      | ┼-              | ╁          |
|    | $\vdash$ | 22         | Н        | H        |  |                   | -        | -        | ├          | -        | -        |          |                | Н        | 72       | +       | ╁        | -        |          | -  |  |          |                 | $\dashv$           | -        | 122 | +-           | ╁            | $\vdash$  | $\vdash$ | $\vdash$                               | $\vdash$        | H          |
|    |          | 23         | H        |          |  | -                 |          |          | $\vdash$   | -        |          | _        |                | Н        | 73       | ╁┈      | -        | _        |          | -  |  | -        |                 |                    | -        | 123 | +            | $\vdash$     | $\vdash$  | $\vdash$ | $t^-$                                  | $\vdash$        | H          |
|    |          | <b>2</b> 4 |          | $\vdash$ |  |                   |          | $\vdash$ | $\vdash$   |          | $\vdash$ | _        |                | Н        | 74       | t       |          |          | -        | <del>                                     </del> |  |          | H               | =                  | $\vdash$ | 124 | ┼┈           | 1            | 1   | ╁        | ╁                                      | ⇈               | H          |
|    |          | 25         |          |          |  |                   | ┢        | <u> </u> | $\vdash$   | <u> </u> | _        |          |                | П        | 75       | T       |          | T        | m        |  |  |          | $\Box$          |                    |          | 125 | 1            |              | 1   | T        | $\vdash$                               | П               | Г          |
|    |          | 26         | $\nabla$ | Г        |  |                   | Г        |          |            |          | Г        |          | ĺ              | П        | 76       |         |          |          |          |  |  |          |                 |                    |          | 126 |              |              | Г   |          |  |                 | Г          |
|    |          | 27         | 1        |          |  |                   |          |          |            |          |          |          | ]              |          | 77       |         |          |          |          |  |  |          |                 |                    |          | 127 |              |              |   |          |  |                 |            |
|    |          | 28         |          |          |  |                   |          |          |            |          |          |          |                |          | 78       |         |          |          |          |  |  |          |                 |                    |          | 128 |              |              |   |          |  |                 | L          |
|    |          | 29         |          |          |  |                   |          |          |            |          |          |          |                |          | 79       |         |          |          |          |  |  |          |                 |                    |          | 129 |              |              |   | L        | <u>_</u>                               |                 | L          |
| i  |          | 30         |          | _        |  |                   | L        |          | _          |          | <u> </u> |          |                | Ш        | 80       | _       |          |          |          |  |  |          |                 |                    |          | 130 | <u> </u>     | ļ_           | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ | <u> </u> | Ь.                                     |                 | <u> </u> _ |
|    |          | 31         |          | <u> </u> | <u> </u>   |                   |          | ļ        |            |          |          |          | Į              | Ш        | 81       | ↓_      | <u> </u> | _        |          | _  |  |          |                 | 4                  |          | 131 | <u> </u>     | _            |   | <u> </u> | ــــــــــــــــــــــــــــــــــــــ | <u> </u>        | _          |
| :  | _        | 32         | _        | _        | _  | <u> </u>          | _        |          | <b> </b> - | _        | ļ        |          |                | Н        | 82       | ╄       |          |          | L        | _  |  |          | -               | 4                  | _        | 132 | -            | <u> </u>     | ⊢   | ├-       | ╀                                      | $\vdash$        | <u> </u>   |
|    | H        | 33<br>34   |          | -        | <u> </u>   | L                 | _        | ⊢        | _          | _        | L        |          |                | Н        | 83<br>84 | ╀       |          | -        | _        |  |  | _        | $\vdash \vdash$ | _                  |          | 133 | <del> </del> | -            | ├—  | ⊢        | ⊢                                      | ├               | ⊢          |
|    | $\vdash$ | 35         |          | H        | $\vdash$   | H                 | _        | ⊢        | ⊢          | _        | H        |          |                | H        | 85       | ╁┈      |          | -        | -        | -  | -  |          | $\vdash$        | $\dashv$           | $\vdash$ | 135 | ╁            | ├-           | ├   | ⊢        | ⊢                                      | $\vdash$        | ┝          |
|    |          | 36         |          |          | $\vdash$   | H                 | ⊢        | <u> </u> |            |          |          |          |                |          | 86       | +       |          | $\vdash$ | -        |  | -  | _        |                 | -                  | -        | 136 | ╁╌           | ╁            | ⊢   | $\vdash$ | ┼                                      | $\vdash$        | ┢          |
|    | $\vdash$ | 37         |          |          | $\vdash$   |                   | $\vdash$ | $\vdash$ | $\vdash$   | ┢        | -        |          |                |          | 87       | +       |          |          | $\vdash$ | <del> </del>                                     | -  | -        |                 | $\dashv$           | -        | 137 | ╁            | 1            | ╁   | ┢        | ╁                                      | $\vdash$        | -          |
|    | -        | 38         | -        | -        | $\vdash$   | Н                 |          | H        |            |          |          |          |                |          | 88       | ╁       | _        |          |          | $\vdash$   |  |          | $\vdash$        | 1                  | <u> </u> | 138 | ╁┈           | -            | <del>                                     </del>  | $\vdash$ | ╁                                      | $\vdash$        | H          |
|    |          | 39         | _        |          | Т  | Н                 |          |          | Т          | _        |          |          |                |          | 89       | †       |          |          |          | $\vdash$   |  |          |                 | 7                  |          | 139 | 1            |              | ✝   | T        | ┢                                      | П               | Г          |
|    |          | 40         |          |          | $\vdash$   |                   |          |          | Г          |          |          |          |                |          | 90       | $\top$  | $\vdash$ |          |          |  |  |          |                 | 7                  |          | 140 | ╁            |              | T   | Т        | İТ                                     | П               | Γ          |
|    | Н        | 41         |          | _        | $\vdash$   | Г                 |          |          | $\vdash$   |          |          |          |                | -        | 91       | +-      | _        |          |          | _  | Г  |          | $\vdash$        | 1                  |          | 141 | T            | -            | T   | Т        | Г                                      | П               | Γ          |
|    | Н        | 42         | -        |          |  | Н                 |          |          | T          | Т        |          | _        |                |          | 92       | $\top$  | Г        | $\vdash$ |          |  | _  |          | -               | 7                  |          | 142 | ╁            | $\vdash$     | T   | T        | <b>†</b>                               | П               | Γ          |
| ,  |          | 43         |          | Ι        | T  | Г                 |          | Г        | Г          | Г        | П        | П        |                | -        | 93       | $\top$  |          |          |          | Т  | Г  |          | -               | 7                  |          | 143 | T            | Т            | $\vdash$  | <u> </u> | $\vdash$                               | П               | Γ          |
| '  | П        | 44         |          |          | Τ  | П                 |          |          | Г          | Г        | П        |          |                | П        | 94       |         |          |          |          |  | П  |          |                 | 7                  |          | 144 | 1            |              | Π   | Γ        | T                                      |                 | Γ          |
| à. | $\Box$   | 45         |          | Г        | Г  | $\vdash$          | _        | -        | -          | Г        |          |          |                |          | 95       |         |          |          |          |  |  |          |                 | ٦                  |          | 145 |              |              | $\Box$  |          | Ι.                                     |                 | Г          |
|    |          | 46         |          |          |  |                   |          |          |            |          |          |          |                |          | 96       | $\Box$  |          |          |          |  |  |          |                 |                    |          | 146 |              |              |   |          | $\Box$                                 |                 | Ĺ          |
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|    |          | 48         |          |          |  |                   |          |          |            |          |          |          |                |          | 98       |         |          |          |          |  |  |          |                 | ]                  |          | 148 |              |              | 匚   |          |  |                 | Ĺ          |
|    |          | 49         |          |          |  |                   |          |          |            |          |          |          | -              |          | 99       |         |          |          |          |  |  |          |                 |                    |          | 149 |              |              | 匚   | Ľ        | <u> </u>                               | <b> </b>        | Ĺ          |
|    | 1 7      | 50         | . 1      | 1        | 1  | ı                 | ľ        | Ι.       | ı i        | 1        | ı ï      | 1 1      | 1              | 1        | 100      | 1       | ı        |          | 1 1      |  | ı  |          | 1 1             | 1                  | 1        | 150 |              | 1            | 1   | 1        | 1                                      | 1 '             | 1          |

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If more than 150 claims or 10 actions staple additional sheet here